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| INFORMATION DISCLOSURE CITATION IN AN APPLICATION . (PTO-1449) | | | | | ATTY. DOCKET NO. 59516-052 | | | | | | |
| | | | | | APPLICANT Zi-Kui LIU, et al. | | | | | | |
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| | | | | U.S. PATE | NT DOCUMENTS | | | | | | |
| EXAMINER'S | 1 | Do | ocument Number | Publication Da | ite Name of Patentee or A | anlicant o | 4 Dagge | Calumaa | 1 1 101h | | |
| INITIALS | CITE NO. | Number-Kind Code2 (if known) | | MM-DD-YYY | | Cited Document | | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | | |
| ВТ | | US | 6,514,557 B2 | 02/04/2003 | Finnemore et | al. | | | | | |
| | | US | 6,579,360 B2 | 06/17/2003 | Balachandran e | | | | | | |
| | T : | US | 5,032,571 A | 07/16/1991 | Takemura | | | · | | | |
| | 1 | US | 3,949,119 A | 04/06/1976 | Shewchun et | al. | | | | | |
| | | US | 3,791,852 A | 02/12/1974 | Bunshah | | | | | | |
| 1 | | US | 2002/0132739 A1 | 09/19/2002 | Kang et al. | | t | | | | |
| BT | | US | 2002/0173428 A1 | 11/21/2002 | Thieme et al | l. | | | | | |
| | · | | | | TENT DOCUMENTS | | | | | | |
| EXAMINER'S INITIALS | CITE NO. | Count | n Patent Document try Code3 –Number nd Code5 (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Figures Appear | | es | | | |
| | ļ | WO 03/082482 A1 | | 40/00/0000 | | | | Yes | No | | |
| · , , | 1 | AA | | 10/09/2003 | Tillo Data Datin UD | <u></u> | | | | | |
| EXAMINER'S | Т | Includ | e name of the author | (in CARITAL LE | or, Title, Date, Pertinent Page ETTERS), title of the article (wi | s, Etc.) | | <u> </u> | | | |
| INITIALS | CITE NO. | city an | magazine, journal, si d/or country where p | erial, symposiur ublished. | n, catalog, etc.), date, page(s) |), volume-i | issue number | (s), publis | | | |
| BT | <u> </u> | Rointan F. Bunshah et al., "DEPOSITION TECHNOLOGIES FOR FILMS AND COATINGS", Copyright 1982, pp.83, 122, 126, 127. | | | | | | | | | |
| + | <u> </u> | Mater | Xianghui ZENG, et al "in situ epitaxial MgB ₂ thin films for superconducting electronics",. Nature Materials, vol. 1, September, 2002, pp. 1-3 | | | | | | | | |
| | ļ | John Rowell "Magnesium Diboride, Superior thin films", Nature Materials, vol. 1, September, 2002, pp. 5-6 | | | | | | | | | |
| | | Li-Kui LiU, et al., "Thermodynamics of the Mg-B system: Implications for the deposition of MgB ₂ thin films" Applied Physics Letters, Vol. 78, Number 23, June 4, 2001, pp. 3678-3680 | | | | | | | | | |
| | | Ron DAGANI, "Superior Superconducting Films of MgB ₂ ", C&EN: Today's Headlines, September 9, 2002, Volume 80, Number 36 Saito et al., "AS-GROWN MgB ₂ THIN FILMS DEPOSITED ON Al ₂ O ₃ SUBSTRATES WITH DIFFERENT CRYSTAL PLANES*", Institute of Physics Publishing, pp. 1-6 Saito et al., AS GROWN MgB ₂ THIN FILMS DEPOSITED ON Al ₂ O ₃ SUBSTRATES WITH DIFFERENT CRYSTAL PLANE", 1 page | | | | | | | | | |
| | | | | | | | | | | | |
| | - | | | | | | | | | | |
| | | Saito et al., "AS-GROWN DEPOSITION OF SUPERCONDUCTING MgB₂ THIN FILMS BY MULTIPLE- TARGET SPUTTERING SYSTEM", Reprinted from Jpn. J. Appl. Phys. Vol. 41 (2002) pp. L127-129 | | | | | | | | | |
| 7 | | (Translation of Reference AP filed with the IDS dated September 9, 2002) – Shimakage et al., 'LOW TEMPERATURE FABRICATION OF AS-AS-GROWN MOR. THIN FILMS BY CO-VAPOR DEPOSITION | | | | | | | | | |
| | ļ | MEIH | טט", Communicatio | ns Research L | aboratory Independent Adm | inistrativ | e Institution | 2 pages. | | | |
| | | MATE | RIALS DURING MgE .1016/j.physc.2003.0 | 32 DEPOSITION 07.006 | TY OF THE MAGNESIUM VA ", 2003 Elsevier B.V. All righ | its reserv | ed, | | | | |
| | | T. He et al., "REACTIVITY OF MgB, WITH COMMON SUBSTRATE AND ELECTRONIC MATERIALS", Applied Physics Letters, Vol 80, No. 2, January 14, 2002, pp. 291-293 | | | | | | | | | |
| BY | | Zi-Kui | Liu et al., "COMPU] i, No. 2, pp. 299-303 | ATIONAL THE | RMODYNAMIC MODELING | OF THE M | lg-B SYSTE | A", Calph | ad, | | |
| ŕ | $\int_{0}^{\infty} dt$ | EXAM | | | DATE CONSIDERED | | | | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| INFO | CIT | TAT | ON DISCLO TION IN AN LICATION | SURE | ATTY. DOCKET NO. 59516-052 | | SERIAL NO. 10/784,899 | | | |
| JAN 0 7 20 | E | | | | APPLICANT ZI-Kui LIU, et al. | | | | | |
| PADEN | MESTE | (PT | O-1449) | | FILING DATE February 24, 2004 | | GROUP 1775 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | |
| EXAMINER'S INITIALS | CITE NO. | Nu | Document Number mber-Kind Codez (a known) | Publication Date MM-DD-YYYY | Name of Patentee or Appli Document | | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | | |
| BT | | US | 6,797,341 B2 | 9/28/2004 | Zeng et al. | | | | | |
| | | US | | | | | | | | |
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| EVALUEDIO | | | | | ENT DOCUMENTS | | | | ** | |
| EXAMINER'S INITIALS | Foreign Patent Document CITE Country Codes -Number 4 -Kind Codes (if known) | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | | | elevant | | | |
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| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S INITIALS CITE journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published. | | | | | | | | , | | |
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.